

# A Gomes Martins

## List of Publications by Citations

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**Version:** 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55  
papers

1,116  
citations

20  
h-index

32  
g-index

65  
ext. papers

1,278  
ext. citations

5.4  
avg, IF

4.3  
L-index

#	Paper	IF	Citations
55	A multiple objective mixed integer linear programming model for power generation expansion planning. <i>Energy</i> , <b>2004</b> , 29, 613-627	7.9	114
54	Evaluation of electrochromic windows impact in the energy performance of buildings in Mediterranean climates. <i>Energy Policy</i> , <b>2014</b> , 67, 68-81	7.2	71
53	A Multiple Objective Approach to Direct Load Control Using an Interactive Evolutionary Algorithm. <i>IEEE Transactions on Power Systems</i> , <b>2007</b> , 22, 1004-1011	7	66
52	NSGA-II with local search for a multi-objective reactive power compensation problem. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2012</b> , 43, 313-324	5.1	64
51	Structuring an MCDA model using SSM: A case study in energy efficiency. <i>European Journal of Operational Research</i> , <b>2009</b> , 199, 834-845	5.6	62
50	Energy efficient building design using sensitivity analysis A case study. <i>Energy and Buildings</i> , <b>2007</b> , 39, 23-31	7	61
49	A multi-objective evolutionary algorithm for reactive power compensation in distribution networks. <i>Applied Energy</i> , <b>2009</b> , 86, 977-984	10.7	53
48	A multi-criteria decision approach to sorting actions for promoting energy efficiency. <i>Energy Policy</i> , <b>2008</b> , 36, 2351-2363	7.2	50
47	Control criteria of electrochromic glasses for energy savings in mediterranean buildings refurbishment. <i>Solar Energy</i> , <b>2016</b> , 134, 236-250	6.8	46
46	Designing the input vector to ANN-based models for short-term load forecast in electricity distribution systems. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2007</b> , 29, 338-347	5.1	44
45	A multiobjective model for VAR planning in radial distribution networks based on tabu search. <i>IEEE Transactions on Power Systems</i> , <b>2005</b> , 20, 1089-1094	7	44
44	A multiple objective evolutionary approach for the design and selection of load control strategies. <i>IEEE Transactions on Power Systems</i> , <b>2004</b> , 19, 1173-1180	7	39
43	A multiple objective decision support model for the selection of remote load control strategies. <i>IEEE Transactions on Power Systems</i> , <b>2000</b> , 15, 865-872	7	37
42	Source Reliability in a Combined Wind-Solar-Hydro System. <i>IEEE Transactions on Power Apparatus and Systems / Technical Operations Committee</i> , <b>1983</b> , PAS-102, 1515-1520		36
41	A multiple objective linear programming model for power generation expansion planning. <i>International Journal of Energy Research</i> , <b>1995</b> , 19, 419-432	4.5	32
40	MCDA and Energy Planning <b>2005</b> , 859-890		31
39	The challenging paradigm of interrelated energy systems towards a more sustainable future. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 95, 171-193	16.2	26

38	Using SSM to rethink the analysis of energy efficiency initiatives. <i>Journal of the Operational Research Society</i> , <b>2004</b> , 55, 968-975	2	24
37	Dealing with the paradox of energy efficiency promotion by electric utilities. <i>Energy</i> , <b>2013</b> , 57, 251-258	7.9	21
36	USING SSM FOR STRUCTURING DECISION SUPPORT IN URBAN ENERGY PLANNING / OPERACINŠ SISTEMOS METODOLOGIJOS TAIKYMAS PLANUOJANT MIESTO ENERGETIKĄ <i>Technological and Economic Development of Economy</i> , <b>2010</b> , 16, 641-653	4.7	20
35	Development and Application of Competencies for Graduate Programs in Energy and Sustainability. <i>Journal of Professional Issues in Engineering Education and Practice</i> , <b>2011</b> , 137, 198-207	0.7	20
34	Simulation-based assessment of electric load management programs. <i>International Journal of Energy Research</i> , <b>1999</b> , 23, 169-181	4.5	20
33	Short-term load forecast using trend information and process reconstruction. <i>International Journal of Energy Research</i> , <b>2006</b> , 30, 811-822	4.5	12
32	Fostering investment on energy efficient appliances in India: A multi-perspective economic input-output lifecycle assessment. <i>Energy</i> , <b>2018</b> , 149, 1022-1035	7.9	9
31	Design of an adaptive mutation operator in an electrical load management case study. <i>Computers and Operations Research</i> , <b>2008</b> , 35, 2925-2936	4.6	9
30	Methodology for real impact assessment of the best location of distributed electric energy storage. <i>Sustainable Cities and Society</i> , <b>2016</b> , 26, 531-542	10.1	9
29	Physically-based load demand models for assessing electric load control actions <b>2009</b> ,		8
28	Methodology to simulate the impact of a large deployment of a residential energy management system in the electricity grid. <i>Electric Power Systems Research</i> , <b>2014</b> , 116, 399-407	3.5	7
27	Assessment of energy-efficient appliances: A review of the technologies and policies in India's residential sector. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , <b>2019</b> , 8, e330	4.7	7
26	Using clustering techniques to provide simulation scenarios for the smart grid. <i>Sustainable Cities and Society</i> , <b>2016</b> , 26, 447-455	10.1	6
25	On the use of reactive power as an endogenous variable in short-term load forecasting. <i>International Journal of Energy Research</i> , <b>2003</b> , 27, 513-529	4.5	6
24	. <i>IEEE Transactions on Power Systems</i> , <b>1993</b> , 8, 1013-1019	7	6
23	An automated energy management system in a smart grid context <b>2012</b> ,		5
22	Energy planning in urban historical centres A methodological approach with a case-study. <i>Energy Policy</i> , <b>1998</b> , 26, 1153-1165	7.2	5
21	A Multiperspective Assessment of Best Available Energy End-Use Technologies in India's Households. <i>Process Integration and Optimization for Sustainability</i> , <b>2019</b> , 3, 89-99	2	4

20	Portuguese Plan for Promoting Efficiency of Electricity End-Use: Policy, Methodology and Consumer Participation. <i>Energies</i> , <b>2018</b> , 11, 1137	3.1	4
19	Improving the responsiveness of NSGA-II using an adaptive mutation operator: a case study. <i>International Journal of Advanced Intelligence Paradigms</i> , <b>2010</b> , 2, 4	0.5	4
18	. <i>IEEE Transactions on Power Systems</i> , <b>1991</b> , 6, 897-903	7	4
17	The impact of electrochromic windows on the energy performance of buildings in Mediterranean climates <b>2015</b> , 499-524		3
16	Efficient lighting in buildings: The lack of legislation in Portugal. <i>Energy Policy</i> , <b>2014</b> , 67, 82-86	7.2	3
15	World-wide non-mandatory involvement of electricity utilities in the promotion of energy efficiency and the Portuguese experience. <i>Renewable and Sustainable Energy Reviews</i> , <b>2013</b> , 22, 319-331 <sup>16.2</sup>		3
14	Next hour load forecast in medium voltage electricity distribution. <i>International Journal of Energy Sector Management</i> , <b>2008</b> , 2, 439-448	2.5	3
13	Assessment of the behavior of protection systems in radial networks with distributed generation <b>2016</b> ,		2
12	Societal objectives as drivers in the search for criteria weights when ranking energy efficiency measures. <i>Energy Policy</i> , <b>2012</b> , 48, 562-575	7.2	2
11	Stability analysis of efficient solutions in multiobjective integer programming: A case study in load management. <i>Computers and Operations Research</i> , <b>2008</b> , 35, 186-197	4.6	2
10	Passive and Active Anti-Resonance Capacitor Systems for Power Factor Correction <b>2006</b> ,		2
9	Multiobjective assessment of distributed energy storage location in electricity networks. <i>International Journal of Sustainable Energy</i> , <b>2017</b> , 36, 577-591	2.7	1
8	Dealing with Solution Diversity in an EA for Multiple Objective Decision Support I A Case Study. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 104-113	0.9	1
7	Evaluation of service quality of distribution systems with critically located generators. <i>International Transactions on Electrical Energy Systems</i> , <b>2021</b> , 31, e12852	2.2	0
6	Multiobjective Methodology for Assessing the Location of Distributed Electric Energy Storage. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 227-238	0.9	
5	Improving the Responsiveness of NSGA-II in Dynamic Environments Using an Adaptive Mutation Operator I A Case Study. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 90-97	0.9	
4	Assessing the impact of energy efficiency measures on load diagram shape case study in the Portuguese residential sector. <i>Energy Efficiency</i> , <b>2021</b> , 14, 1		3
3	A Sustainable Development Management System for the University of Coimbra. <i>World Sustainability Series</i> , <b>2015</b> , 361-373	0.6	

- 2 MEASUREMENT OF ACTIVE AND REACTIVE POWER FOR REAL-TIME POWER SYSTEMS CONTROL  
**1984**, 470-474
- 1 Resource-efficient nondomestic buildings: Intertwining behaviour and technology **2020**, 109-127